

Quiz tomorrow

4.1-4.5

- Classify triangles
- Acute, Right, Obtuse, Equiangular
- Scalene, Isosceles, Equilateral
- Angle sum theorem 180
- Exterior angle theorem $m\angle 4 = m\angle 1 + m\angle 2$
- SSS, SAS, ASA, AAS, or HL
- Proofs and problems from "Congruent Triangles" worksheet
- CPCTC

Review Assignment:
p760-762

4.1 1-7

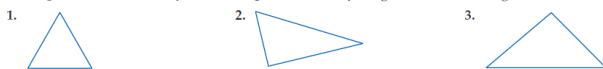
4.2 1-10

4.5 2, 3, 4 (2 column)

Lesson 4-1

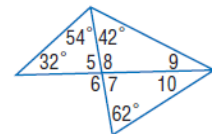
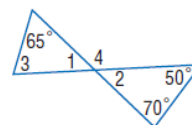
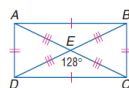
(pages 17)

Use a protractor to classify each triangle as *acute*, *equiangular*, *obtuse*, or *right*.



Identify the indicated type of triangles in the figure if $\overline{AB} \cong \overline{CD}$, $\overline{AD} \cong \overline{BC}$, $\overline{AE} \cong \overline{BE} \cong \overline{EC} \cong \overline{ED}$, and $m\angle BAD = m\angle ABC = m\angle BCD = m\angle ADC = 90$.

4. right
6. acute
5. obtuse
7. isosceles



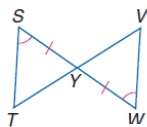
Lesson 4-2

Find the measure of each angle.

- | | |
|---------------|-----------------|
| 1. $\angle 1$ | 2. $\angle 2$ |
| 3. $\angle 3$ | 4. $\angle 4$ |
| 5. $\angle 5$ | 6. $\angle 6$ |
| 7. $\angle 7$ | 8. $\angle 8$ |
| 9. $\angle 9$ | 10. $\angle 10$ |

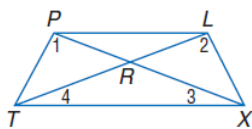
2. Given: $\angle S \cong \angle W$
 $\overline{SY} \cong \overline{YW}$

Prove: $\overline{ST} \cong \overline{WV}$



3. Given: $\angle 1 \cong \angle 2$, $\angle 3 \cong \angle 4$

Prove: $\overline{PT} \cong \overline{LX}$



4. Given: $\overline{FP} \parallel \overline{ML}$, $\overline{FL} \parallel \overline{MP}$

Prove: $\overline{MP} \cong \overline{FL}$

